<!--StartFragment-->RESULT 2
AAD56890
ID AAD56890 standard; cDNA; 1279 BP.
XX
AC AAD56890;
XX
DT 06-NOV-2003 (first entry)
XX
DE Human diacylglycerol acyltransferase 2 (DGAT2) cDNA, 112023.
XX
KW Human; diacylglycerol acyltransferase 2; DGAT2; obesity; arrhythmia;
KW coronary artery disease; hypertension; heart failure; tissue typing;
KW aberrant lipogenesis; cardiovascular disorder; atherosclerosis; angina;
KW atrial fibrillation; dilated cardiomyopathy; idiopathic cardiomyopathy;
KW diabetes; chromosome mapping; forensic biology; enzyme; gene; ss.
XX
OS Homo sapiens.
XX
FH Key   Location/Qualifiers
FT CDS   42. .1028
FT   /*tag= a
FT   /product= "Human diacylglycerol acyltransferase 2"
XX
PN WO2003053363-A2.
XX
PD 03-JUL-2003.
XX
PF 19-DEC-2002; 2002WO-US040974.
XX
PR 19-DEC-2001; 2001US-0341947P.
PR 19-SEP-2002; 2002US-0411859P.
XX
PA (MILL-) MILLENNIUM PHARM INC.
XX
PI Gimeno RE, Wu Z, Kapeller-Libermann R, Hubbard BK;
XX
DR WPI; 2003-559092/52.
DR P-PSDB; AAE37790.
XX
PT New human diacylglycerol acyltransferase 2 (DGAT2) family member
PT polypeptide and nucleic acid molecules, useful for diagnosing and
PT treating obesity, diabetes, atherosclerosis, aberrant lipogenesis or
PT triglyceride synthesis.
XX
PS Claim 1; Page 133-134; 154pp; English.
XX
CC The invention relates to human diacylglycerol acyltransferase 2 (DGAT2)
CC family members and their uses. DGAT2 family member sequences or their
CC modulators are useful for diagnosing and treating a subject with a
CC disorder associated with the aberrant DGAT family member polypeptide
CC activity or nucleic acid expression, such as a disorder associated with
CC obesity, diabetes, aberrant lipogenesis or triglyceride synthesis, or
CC cardiovascular disorder (e.g. atherosclerosis, coronary artery disease,
CC hypertension, heart failure, atrial fibrillation, arrhythmias, dilated
CC cardiomyopathy, idiopathic cardiomyopathy or angina). The invention is
CC also useful in screening assays (e.g. tissue typing, chromosome mapping,
CC or in forensic biology), in predictive medicine (e.g. diagnostic assays,
CC prognostic assays, monitoring clinical trials or pharmacogenetics), or as
CC surrogate markers (e.g. markers of disease states or markers of drug
CC activity). The present sequence is human DGAT2 cDNA
XX

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SQ   Sequence 1279 BP; 273 A; 352 C; 328 G; 326 T; 0 U; 0 Other;

  Query Match             95.9%;  Score 1084.8;  DB 2;  Length 1279;
  Best Local Similarity   98.0%;
  Matches 1109;  Conservative    0;  Mismatches   22;  Indels    1;  Gaps    1;

Qy          1 ACTGTTCTGAGATCTTTGCCTCCCTCAGGCTCCCGAGAATCATGGCTCATTCCAAGCAGC 60
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Db          1 ACTGTTCTGAGATCTTTGCCTCCCTCAGGCTCCCGAGAATCATGGCTCATTCCAAGCAGC 60

Qy         61 CTAGTCACTTCCAGAGTCTGATGCTTCTGCAGTGGCCTTTGAGCTACCTTGCCATCTTTT 120
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Qy        421 TCCCAGGCATCACTCCTCACTTGGCCACGCTGTCCTGGTTCTTCAAGATCCCCTTTGTTA 480
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Db        421 TCCCAGGCATCACTCCTCACTTGGCCACACTGTCCTGGTTCTTCAAGATCCCCTTTGTTA 480

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Db        601 AAAGTGTGCCCAAGACCACCACCCTCATCCTCCAGAAGCGCAAGGGGTTCGTGCGCACAG 660

Qy        661 CCCTCCAGCATGGGGCTCATCTGGTCCCCACCTTCACTTTTGGGGAAACTGAGGTGTATG 720
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Qy        721 ATCAGGTGCTGTTCCATAAGGATAGCAGGATGTACAAGTTCCAGAGCTGCTTCCGCCGTA 780
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        721 ATCAGGTGCTGTTCCATAAGGATAGCAGGATGTACAAGTTCCAGAGCTGCTTCCGCCGTA 780

Qy        781 TCTTTGGTTTCTACTGTTGTGTCTTCTATGGACAAAGCTTCTGTCAAGGCTCCACTGGGC 840
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